



BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

DIVISION: BYATARAYANAPURA

SUB DIVISION: VIDYARANYAPURA

***Name of Work Construction of Culverts in Ward No
11 (Kuvempunagara) in Vidyaranyapura Sub Division.***

Job Code: 011-20-000125

P Code: P-1771 POW Works

Estimated Cost: Rs. 20.00 Lakh(s)

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of the work: Estimate for Construction of Culverts in Ward No 11, (Kuvempunagara) in Vidyanarayana Sub Division.

011-20-000125		P-1771		Estimate Cost:				2000000.00	
Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3. Page No. 142 / Item No. 19.1 / PWD SR 2018-19	Cum							
	Culvert		10	6.00	1.80	1.20	129.60		
	Basic Rate	130.00					129.60	243.88	31607.00
	Area Weightage @ 6%	7.80							
	Total	137.80							
	Add loading and unloading Charges It No 17.1 KSRRB M 100-1	68.00							
	Average weight of earth 1.28 tonne / kg for 11.90 Km = 1.28 T X 11.90Km X 2.5 Tonne / km = 38.08	38.08							
	Total	243.88							
2	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with with OPC cement @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregates @ 0.56cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days complete as per specifications MORTH Specification No. 2100 Item No. 27.18 Page No. 222, PWD SR 2018-19	cum							
	Culverts		10	6.00	1.80	0.15	16.20		
	Basic Rate	5115.00					16.20	5421.90	87835.00
	Area Weightage @ 6%	306.90							
	Total	5421.90							
3	Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. Page No. 255, Item No. 34.9, PWD SR 2018-19	cum							
			2x10	6.00	0.60	0.45	32.40		
			2x10	6.00	0.45	0.45	24.30		
	Basic Rate	5483.00					56.70	5811.98	329539.00
	Area Weightage @ 6%	328.98							
	Total	5811.98							
4	KSRRB 15.1.3 Providing ruled pointing 20 mm deep to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications Page No. 115 / Item No. 15.3, PWD SR 2018-19	Sqm							
			2x10	6.00		0.90	108.00		
	Basic Rate	142.00					108.00	150.52	16256.00

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	Area Weightage @ 6%	8.52							
	Total	150.52							
5	Providing precast slab of 250mm thick including cost of all materials, labour, curing, transportation, loading unloading, etc., complete as per the direction of engineer in charge - (Data rate Approved).	Sqm							
		10x10	1.50	0.60			90.00		
							90.00	5418.00	487620.00
6	Providing precast slab of 100mm thick including cost of all materials, labour, curing, transportation, loading unloading, etc., complete as per the direction of engineer in charge - (Data rate Approved).	Sqm							
	Missing Covering Slab	2	95.00	0.90			171.00		
		2	75.00	0.90			135.00		
							306.00	2337.00	715122.00
7	Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregates @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, for coping. Including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. Page. No. 255 / Item No.34.11 of PWD SR 2018-19	cum							
	Culvert Coping	10	6.00	1.50	0.10		9.00		
	Ramp	2x10	6.00	1.00	0.10		12.00		
	Basic Rate	5283.00					21.00	5599.98	117600.00
	Area Weightage @ 6%	316.98							
	Total	5599.98							
	Sub Total								1785579.00
	GST @ 12%								214269.00
	Miscellaneous and other Charges	L/S							152.00
								Total	2000000.00

Rupees Twenty Lakh(s) Only

CERTIFICATE:

- 1 The work spot has been inspected and the work is found necessary.
- 2 This estimate is prepared as per PWD SR of 2018-19.
- 3 This work included under 2019-20 POW Grant.
- 4 The provisions were made in this estimate are necessary and adequate.
- 5 This works come under B.B.M.P. limits.



Assistant Engineer
Ward No. 11



Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

Administrative Approval

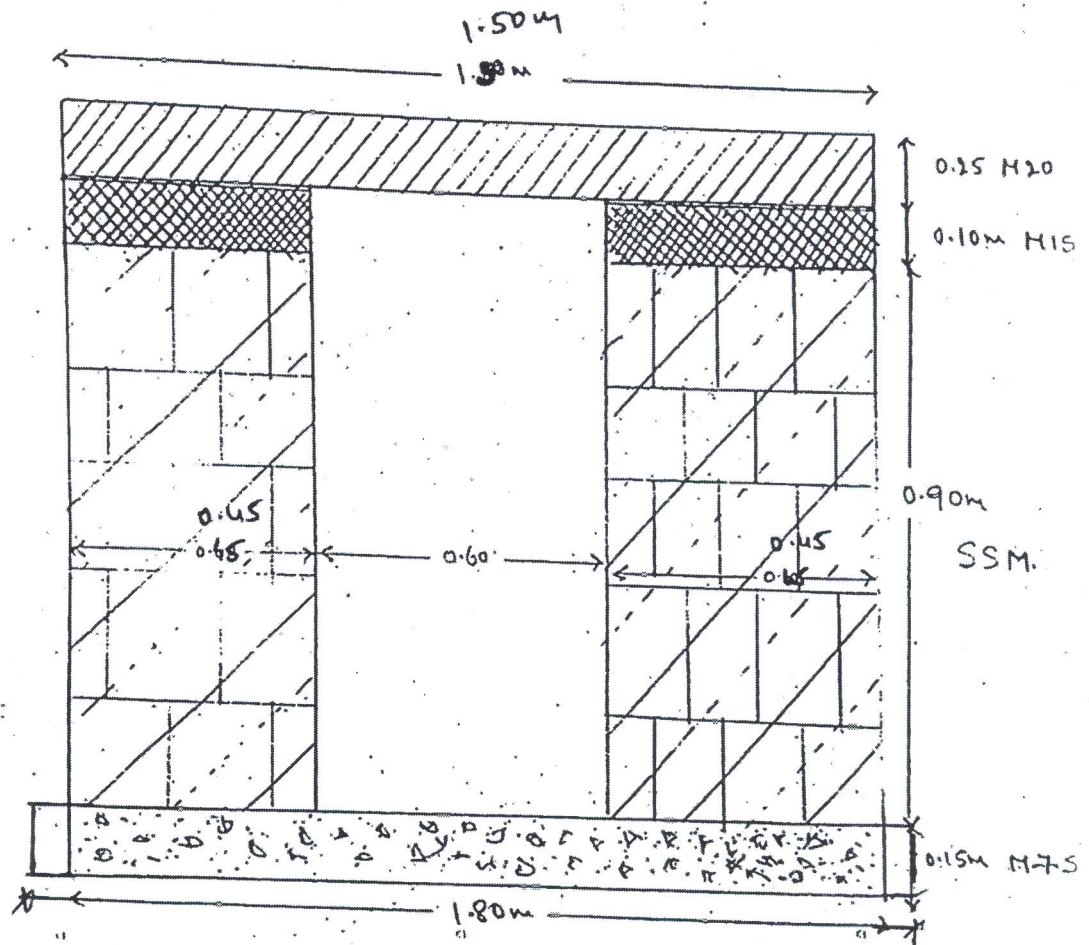
Accorded For **RS. 20.00 Lakhs only**
Head of A/C. **P1771**
CER NO : **126** **2013-2014**
21/04






Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

TECHNICAL SANCTION	
Accorded For Rs.	20.00 Lakhs only
Head of A/C.	P1771
Div. Ref. No.	21/4/2020
Date	21/4/2020
	
AE EE(BTP)	



CROSS SECTION OF CULVERT

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S.D.S.